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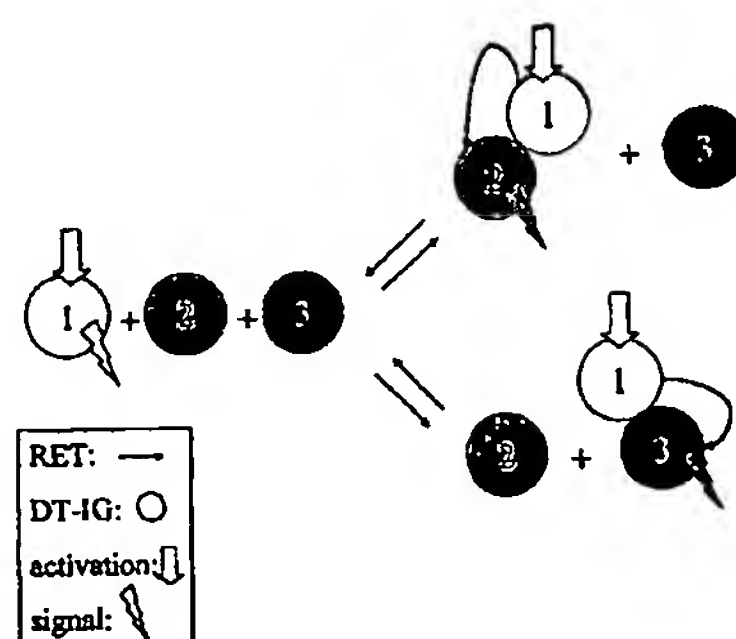
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(54) Title: RESONANCE ENERGY TRANSFER ASSAY SYSTEM FOR MULTI-COMPONENT DETECTION



(57) Abstract: The present invention relates to a system for detecting molecular associations. In particular, the present invention relates to a multi-component detection system comprising: i). a first agent comprising a first interacting group coupled directly or indirectly to a first tag, which first tag emits light of a first wavelength upon activation by a substrate or energy source, which produces a first activated tag; ii). a second agent comprising a second interacting group coupled directly or indirectly to a second tag, which second tag can accept the energy from the first tag when the first and second interacting groups are associated and an appropriate substrate or energy source for the first tag is present thereby producing a second activated tag that emits light of a second wavelength; iii). a third agent comprising a third interacting group coupled directly or indirectly to a third tag that can accept the energy from the first activated tag when the first and third interacting groups are associated and an appropriate substrate or energy source for the first tag is present to produce a third activated tag that emits light of a third wavelength; iv). an appropriate substrate or energy source to activate the first tag, and v). a means of detecting said emitted light.

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